Substitute Form PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. 14875-0166US1

Application No. 10/582,304

Information Disclosure Statement by Applicant (Use several sheets if necessary)

Naoki Kimura et al.

Applicant

(37 CFR §1.98(b))

Filing Date April 20, 2007

Group Art Unit 1643

	U.S. Patent Documents						
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	11/910,117	8/28/2007	Igawa et al.			
	2	12/307,042	12/30/2008	Kimura et al.			
	3	5,837,242	11/1998	Holliger et al.			
	4	5,840,344	11/24/1998	Fukushima			
	5	5,885,574	03/23/1999	Elliott			
	6	6,126,980	10/3/2000	Smith et al.			
	7	6,579,692	06/17/2003	Fukushima			
	8	6,719,972	04/13/2004	Gribben et al.			
	9	6,759,043	07/06/2004	Fukushima			
	10	2003/0147894	08/07/2003	Fukushima et al.			
	11	2003/0157100	08/2003	Fukushima et al.			
	12	2003/0157577	08/2003	Fukushima et al.			
	13	2003/0202975	10/2003	Tedder			
	14	2003/0211108	11/2003	Fukushima et al.			
	15	2004/0001828	1/1/2004	Tuscano et al.			
	16	2004/0073013	04/2004	Fukushima et al.			
	17	2005/0214278	9/29/2005	Kakuta et al.			
	18	2005/0267222	12/1/2005	Iwata et al.			
	19	2009/0028854	01/29/2009	Igawa et al.			
	20	2009/0117097	5/7/2009	Igawa et al.			

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Transla	tion
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	21	CA 2272245	05/28/1998	Canada				
	22	EP 437 622	07/24/1991	Europe				
	23	EP 0 721 015	07/10/1996	Europe				
	24	EP 1 035 132	09/13/2000	Europe				

Examiner Signature	ınature
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Substitute Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. Application No. (Modified) 14875-0166US1 10/582,304 **Information Disclosure Statement** Applicant Naoki Kimura et al. by Applicant (Use several sheets if necessary) Filing Date Group Art Unit April 20, 2007 1643

	Foreig	n Patent Docu	ments or Pu	ıblished Foreign	Patent A	Applicatio	ns	
Examiner	Desig.	Document	Publication	Country or			Translat	
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	25	EP 0562125	09/29/1993	Europe				
	26	EP 1 396 500	03/10/2004	Europe				
	27	EP 1 262 548	8/10/2008	Europe				
	28	JP 3-41033	02/21/1991	Japan			Abstract only	
	29	JP 7236475	9/12/1995	Japan			Abstract only	
	30	JP 11-092500	04/06/1999	Japan			Abstract only	
· · · · · · · · · · · · · · · · · · ·	31	JP 2000-95800	04/04/2000	Japan			Abstract only	
	32	JP 2004-292455	10/21/2004	Japan			Abstract only	
	33	WO 91/16928	11/14/1991	WIPO			Ciny	
	34	WO 92/19759	11/12/1992	WIPO			English abstract	
	35	WO 93/06862	4/15/1993	WIPO		······································	English abstract	
	36	WO 94/13806	06/23/1994	WIPO			aostract	
	37	WO 96/36360	11/21/1996	WIPO				
	38	WO 97/01633	1/16/1997	WIPO				
	39	WO 97/32601	9/12/1997	WIPO			English abstract	
	40	WO 98/22136	5/28/1998	WIPO			English abstract	
	41	WO 98/44001	08/10/1998	WIPO				
	42	WO 99/17364	04/08/1999	WIPO				
	43	WO00/53634	09/14/2000	WIPO			English abstract	
	44	WO00/75191	12/14/2000	WIPO				
	45	WO01/77342	10/18/2001	WIPO				
	46	WO02/094880	11/28/2002	WIPO			English abstract	
	47	WO 02/096457	12/05/2002	WIPO				
	48	WO 02/097033	12/05/2002	WIPO				

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	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or			Transla	tion
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	49	WO 03/086324	10/23/2003	WIPO				
	50	WO 04/037293	5/6/2004	WIPO			English abstract	
	51	WO 2006/123724	11/23/2006	WIPO			English abstract	

Examiner Initial ID Document Document Document		Other D	ocuments (include Author, Title, Date, and Place of Publication)
AVENT et al., "Monoclonal antibodies that recognize different membrane proteins that are deficient in Rhnull human erythrocytes. One group of antibodies reacts with a variety of cells and tissues whereas the other group is erythroid-specific," Biochem. J., 251:499-505 (1988) BARTLEY et al., "Identification and Cloning of a Megakaryocyte Growth and Development Factor That is a Ligand for the Cytokine Receptor Mpl," Cell, 77:1117-1124 (1994) BAZIL et al., "Apoptosis of human hematopoietic progenitor cells induced by crosslinking of surface CD43, the major sialoglycoprotein of leukocytes," Blood, 86:502-511 (1995) BAZZONI et al., "Chimeric tumor necrosis factor receptors with constitutive signaling activity," Proc. Natl. Acad. Sci. USA, 92(12):5376-5580 (1995) BERGER et al., "Inhibition of intractable nucleases with ribonucleoside-vanadyl complexes: isolation of messenger ribonucleic acid from resting lymphocytes," Biochemistry, 18(23):5143-5149 (1979) 57 BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," Nat. Cell Biol., 2:241-243 (2000) BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 247:1306-1310 (1990) 58 BOWNE et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmac	Examiner	Desig.	
in Rhull human erythrocytes. One group of antibodies reacts with a variety of cells and tissues whereas the other group is erythroid-specific," <i>Biochem. J.</i> , 251:499-505 (1988) BARTLEY et al., "Identification and Cloning of a Megakaryocyte Growth and Development Factor That is a Ligand for the Cytokine Receptor Mpl," <i>Cell</i> , 77:1117-1124 (1994) BAZIL et al., "Apoptosis of human hematopoietic progenitor cells induced by crosslinking of surface CD43, the major sialoglycoprotein of leukocytes," <i>Blood</i> , 86:502-511 (1995) BAZZONI et al., "Chimeric tumor necrosis factor receptors with constitutive signaling activity," <i>Proc. Natl. Acad. Sci. USA</i> , 92(12):5376-5580 (1995) BERGER et al., "Inhibition of intractable nucleases with ribonucleoside-vanadyl complexes: isolation of messenger ribonucleic acid from resting lymphocytes," <i>Biochemistry</i> , 18(23):5143-5149 (1979) BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," <i>Nat. Cell Biol.</i> , 2:241-243 (2000) BOWIE et al., "Geiphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," <i>Science</i> , 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," <i>J. Cell Biology</i> , 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," <i>Trends Cell Biology</i> , 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," <i>Clin. Cancer Res.</i> , 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," <i>Blood</i> , 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," <i>Mol. Immunol.</i> , 39:941-952 (2003) CARPENTER et al., "Rational des	Initial	ID	
whereas the other group is erythroid-specific," Biochem. J., 251:499-505 (1988) BARTLEY et al., "Identification and Cloning of a Megakaryocyte Growth and Development Factor That is a Ligand for the Cytokine Receptor Mpl," Cell, 77:1117-1124 (1994) BAZIL et al., "Apoptosis of human hematopoietic progenitor cells induced by crosslinking of surface CD43, the major sialoglycoprotein of leukocytes," Blood, 86:502-511 (1995) BAZZONI et al., "Chimeric tumor necrosis factor receptors with constitutive signaling activity," Proc. Natl. Acad. Sci. USA, 92(12):5376-5580 (1995) BERGER et al., "Inhibition of intractable nucleases with ribonucleoside-vanadyl complexes: isolation of messenger ribonucleic acid from resting lymphocytes," Biochemistry, 18(23):5143-5149 (1979) BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," Nat. Cell Biology, 2:241-243 (2000) BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated of the physica			
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That is a Ligand for the Cytokine Receptor Mpl," Cell, 77:1117-1124 (1994) BAZIL et al., "Apoptosis of human hematopoietic progenitor cells induced by crosslinking of surface CD43, the major sialoglycoprotein of leukocytes," Blood, 86:502-511 (1995) BAZZONI et al., "Chimeric tumor necrosis factor receptors with constitutive signaling activity," Proc. Natl. Acad. Sci. USA, 92(12):5376-5580 (1995) BERGER et al., "Inhibition of intractable nucleases with ribonucleoside-vanadyl complexes: isolation of messenger ribonucleic acid from resting lymphocytes," Biochemistry, 18(23):5143-5149 (1979) BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," Nat. Cell Biol., 2:241-243 (2000) BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and	·····		whereas the other group is erythroid-specific," <i>Biochem. J.</i> , 251:499-505 (1988)
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BERGER et al., "Inhibition of intractable nucleases with ribonucleoside-vanadyl complexes: isolation of messenger ribonucleic acid from resting lymphocytes," Biochemistry, 18(23):5143-5149 (1979) BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," Nat. Cell Biol., 2:241-243 (2000) BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			surface CD43, the major sialoglycoprotein of leukocytes," <i>Blood</i> , 86:502-511 (1995)
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isolation of messenger ribonucleic acid from resting lymphocytes," <i>Biochemistry</i> , 18(23):5143-5149 (1979) BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," <i>Nat. Cell Biol.</i> , 2:241-243 (2000) BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," <i>Science</i> , 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," <i>J. Cell Biology</i> , 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," <i>Trends Cell Biology</i> , 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," <i>Clin. Cancer Res.</i> , 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," <i>Blood</i> , 84(3):873-882 (1994) 63 CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," <i>Mol. Immunol.</i> , 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," <i>Pharmaceutical Research</i> , 14(8):969-975 (1997)			
1979) BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," Nat. Cell Biol., 2:241-243 (2000) BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) 63 CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997)			
BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," Nat. Cell Biol., 2:241-243 (2000) BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		56	
Biol., 2:241-243 (2000) BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			
BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," Science, 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		57	BODMER et al., "TRAIL Receptor-2 Signals Apoptosis Through FADD and Caspase-8," Nat. Cell
Substitutions," Science, 247:1306-1310 (1990) BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			
BROWN et al., "Integrin-associated protein: a 50-kD plasma membrane antigen physically and functionally associated with integrins," J. Cell Biology, 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		58	BOWIE et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid
functionally associated with integrins," <i>J. Cell Biology</i> , 111(6 Pt 1):2785-2794 (1990) BROWN et al., "Integrin-associated protein (CD47) and its ligands," <i>Trends Cell Biology</i> , 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," <i>Clin. Cancer Res.</i> , 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," <i>Blood</i> , 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," <i>Mol. Immunol.</i> , 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," <i>Pharmaceutical Research</i> , 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			Substitutions, Science, 247:1300-1310 (1990)
BROWN et al., "Integrin-associated protein (CD47) and its ligands," Trends Cell Biology, 11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		59	SROWN et al., Integrin-associated protein: a 50-kD plasma membrane antigen physically and
11(3):130-135 (2001) BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			DROWN at al. "Integrin associated with integrins, J. Cell Biology, 111(6 Pt 1):2/85-2/94 (1990)
BUCHSBAUM et al., "Antitumor Efficacy of TRA-8 Anti-DR5 Monoclonal Antibody Alone or in Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		60	
Combination with Chemotherapy and/or Radiation Therapy in a Human Breast Cancer Model," Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			
Clin. Cancer Res., 9:3731-3741 (2003) BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		61	Combination with Chamatherany and/or Radiation Therapy in a Harman Report Company of the State o
BURTHEM et al., "Hairy cell interactions with extracellular matrix: expression of specific integrin receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) 63 CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) 64 CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) 65 CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		01	Clin Cancer Res. 0:3731-3741 (2003)
fee receptors and their role in the cell's response to specific adhesive proteins," Blood, 84(3):873-882 (1994) CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			
(1994) 63 CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) 64 CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) 65 CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		62	recentors and their role in the cell's response to specific adhesive proteins." Placed, 24(2),272, 222
CALDAS et al., "Humanization of the anti-CD18 antibody 6.7: an unexpected effect of a framework residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		02	
residue in binding to antigen," Mol. Immunol., 39:941-952 (2003) CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			
CARPENTER et al., "Rational design of stable lyophilized protein formulations: some practical advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		63	residue in hinding to antigen" Mol. Immunol. 39:941-952 (2003)
advice," Pharmaceutical Research, 14(8):969-975 (1997) CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and			CARPENTER et al. "Rational design of stable lyonhilized protein formulations: some practical
CARPENTER et al., "Rational design of stable lyophilized protein formulations: theory and		64	advice." Pharmaceutical Research, 14(8):969-975 (1997)
		65	

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 14875-0166US1	Application No. 10/582,304	
Information Disc by App	olicant	Applicant Naoki Kimura et al.		
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		ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document
minai	<u> </u>	CHIEN et al., "Significant structural and functional change of an antigen-binding site by a distant
	66	amino acid substitution: Proposal of a structural mechanism," <i>Proc. Nat. Acad. Sci. USA</i> , 86:5532-5536 (1989)
	67	CHIRGWIN et al., "Isolation of biologically active ribonucleic acid from sources enriched in ribonuclease," Biochemistry, 18(24):5294-5299 (1979)
	68	CHUNTHARAPAI et al. "Isotype-Dependent Inhibition of Tumor Growth In Vivo by Monoclonal Antibodies to Death Receptor 4," J. Immunol., 166:4891-4898 (2001)
	69	CLELAND et al., "A specific molar ratio of stabilizer to protein is required for storage stability of a lyophilized monoclonal antibody," <i>Journal of Pharmaceutical Sciences</i> , 90(3):310-321 (2001)
	70	COCHLOVIUS <i>et al.</i> , "Cure of Burkitt's Lymphoma in Severe Combined Immunodeficiency Mice by T Cells, Tetravalent CD3 x CD19 Tandem Diabody and CD28 Costimulation," <i>Cancer Res.</i> , 60:4336-4341 (2000)
	71	COOPER et al., "Transendothelial migration of neutrophils involves integrin-associated protein (CD47)," Proc. Natl. Acad. Sci. USA, 92:3978-3982 (1995)
	72	DANIEL et al., "Pathway of apoptosis induced in Jurkat T Lymphoblasts by anti-HLA Class I antibodies," <i>Human Immunology</i> , 65(3):189-199 (2004)
	73	DE LEON et al., "High resolution human leukocyte antigen (HLA) class I and class II allele typing in Mexican mestizo women with sporadic breast cancer: case-control study," BMC Cancer, 9(48):1-9 (2009)
	74	DEGLI-ESPOSTI et al., "Cloning and Characterization of TRAIL-R3, a Novel Member of the Emerging TRAIL Receptor Family," J. Exp. Med., 186:1165-1170 (1997)
	75	DE SAUVAGE et al., "Stimulation of Megakaryocytopoiesis and Thrombopoiesis by the c-Mpl Ligand," Nature, 369:533-538 (1994)
	76	DESPLANCQ et al., "Multimerization behaviour of single chain Fv variants for the tumour-binding antibody B72.3," Protein Engineering, 7(8):1027-1033 (1994)
	77	DE ST. GROTH et al., "Production of Monoclonal Antibodies: Strategy and Tactics," Journal of Immunological Methods, 35:1-21 (1980)
	78	DILLMAN, "Monoclonal antibodies for treating cancer," Ann. Int. Med., 11(7):592-603 (1989)
	79	DORAI et al., "Mammalian cell expression of single-chain Fv (sFv) antibody proteins and their C-terminal fusions with interleukin-2 and other effector domains," <i>Biotechnology</i> , 12(9):890-897 (1994)
	80	EMERY et al., "Osteoprotegerin Is a Receptor for the Cytotoxic Ligand TRAIL," J. Biol. Chem., 273: 14363-14367 (1998)
	81	FELGENHAUER et al. "Nucleotide Sequences of the cDNAs Encoding the V-Regions of H- and L Chains of a Human Monoclonal Antibody Specific to HIV-1 - gp41," Nucleic Acids Research, 18(16):4927 (1990)
	82	FROKJAER <i>et al.</i> , "Protein drug stability: a formulation challenge," Nature Rev Drug Discov. 4:298-306 (2005)
	83	FUJIMOTO et al., "50-kD integrin-associated protein does not detectably influence several functions of glycoprotein IIb-IIIa complex in human platelets," Blood, 86(6):2174-2182 (1995)
	84	FUKUSHIMA et al., "Enhanced hematopoiesis in vivo and in vitro by splenic stromal cells derived from the mouse with recombinant granulocyte colony-stimulating factor," Blood, 80(8):1914-1922 (1992)

Examiner Signature	Date Considered				
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next communication to applicant.					

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(Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	_
Initial	ID	Document
	85	FUKUSHIMA et al., "Apoptosis of Bone Marrow Cells Via Integrin Associated Protein by the
		Novel Monoclonal Antibody," Blood, 94(10):479A (1999)
	86	GALFRE et al., "Preparation of monoclonal antibodies: strategies and procedures," Methods in
		Enzymology, 73:3-46 (1981) GALFRE et al., "Rat x rat hybrid myelomas and a monoclonal anti-Fd portion of mouse IgG,"
	87	Nature, 277:131-133 (1979)
	88	GARCIA-GONZALEZ et al., "Purification of murine IgG3 and IgM monoclonal antibodies by
	00	euglobulin precipitation," Journal of Immunological Methods, 111:17-23 (1988)
		GIUSTI et al., "Somatic diversification of S107 from an antiphosphocholine to an anti-DNA
	89	autoantibody is due to a single base change in its heavy chain variable region," Proc. Natl. Acad. Sci.
		USA, 84:2926-2930 (1987)
	90	GODING, "Monoclonal Antibodies: Principles and Practice," Academic Press, second Ed., 125:129
	70	(1986)
	91	GOMBOTZ et al., "The stabilization of a human IgM monoclonal antibody with
	<i></i>	poly(vinylpyrrolidone)," Pharmaceutical Research, 11(5):624-632 (1994)
:	92	GREENSPAN et at., "Defining epitopes: It's not as easy as it seems," Nature Biotechnology,
	74	17:936-937 (1999)
	93	GRELL et al., "TR60 and TR80 tumor necrosis factor (TNF)-receptors can independently mediate
		cytolysis," Lymphokine and Cytokine Research, 12(3):143-148 (1993)
	94	GRIFFITH et al., "Functional Analysis of TRAIL Receptors Using Monoclonal Antibodies," J.
		Immunol., 162:2597-2605 (1999)
	95	GÜSSOW and SEEMANN, "Humanization of Monoclonal Antibodies," Methods in Enzymology,
		203:99-121 (1991)
	96	HOLLIGER el at., "Specific Killing of Lymphoma Cells by Cytotoxic T-Cells Mediated by a
		Bispecific Diabody," Protein Engineering, 9(3):299-305 (1996)
	97	HOPP et al., "A Short Polypeptide Marker Sequence Useful for Recombinant Protein Identification
		and Purification," Biotechnology, 6:1204-1210 (1988)
	0.0	HORAN et al., "Dimerization of the extracellular domain of granuloycte-colony stimulating factor
	98	receptor by ligand binding: a monovalent ligand induces 2:2 complexes," <i>Biochemistry</i> , 35:4886-
		4896 (1996)
	00	HUSTON et al., "Protein Engineering of Antibody Binding Sites: Recovery of Specific Activity in
	99	an Anti-Digoxin Single-Chain Fv Analogue Produced in Escherichia Coli," Proc. Natl. Acad. Sci.
		USA, 85:5879-5883 (1988)
	100	ITOH et al., "The Polypeptide Encoded by the cDNA for Human Cell Surface Antigen Fas Can
		Mediate Apoptosis," Cell, 66:233-243 (1991)
	101	JIANG et al., "A Novel Peptide Isolated from a Phage Display Peptide Library with Trastuzumab
		Can Mimic Antigen Epitope of HER-2," J. Biol. Chem., 280(6):4656-4662 (2005) JONES et al., "Rapid PCR-Cloning of Full-Length Mouse Immunoglobulin Variable Regions,"
	102	Biotechnology, 9:88-89 (1991)
		KEARNEY, et al., "A New Mouse Myeloma Cell Line That Has Lost immunoglobulin Expression
	103	But Permits The Construction of Antibody-Secreting Hybrid Cells Lines," <i>The Journal of</i>
	103	Immunology, 123(4):1548-1550 (1979)
		Immunology, 125(7).1570-1550 (1777)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if no	ot in conformance and not considered. Include copy of this form with
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		Filing Date April 20, 2007	Group Art Unit 1643

Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner Initial	Desig. ID	Document	
	104	selectable marker," Cytotechnology, 18(3):207-217 (Abstract) (1994)	
	105	KIPRIYANOV et al., "Bispecific CD3 x CD19 diabody for T cell-mediated lysis of malignant human B cells," In. J. Cancer, 77:763-772 (1998)	
	106	tusion," Eur. J. Immunol., 6:511-519 (1976)	
	107	KORTT et al., "Recombinant anti-sialidase single-chain variable fragment antibody: Characterization, formation of dimmer and higher-molecular-mass multimers and the solution of the crystal structure of the single-chain variable fragment/sialidase complex," Eur. J. Biochem., 221:151-157 (1994)	
	108	KORTT et al., "Single-chain Fv fragments of anti-neuraminidase antibody NC10 containing five- and ten- residue linkers form dimmers and with zero-residue linker a trimer," <i>Protein Engineering</i> , 10(4):423433 (1997)	
	109	KOZAK, M., "At Least Six Nucleotides Preceding the AUG Initiator Codon Enhance Translation in Mammalian Cells," <i>J. Mol. Biol.</i> , 196:947-950 (1987)	
	110	LARRICK, et al., "Polymerase Chain Reaction Using Mixed Primers: Cloning of Human Monoclonal Antibody Variable Region Genes From Single Hybridoma Cells," <i>Biotechnology</i> , 7:934-938 (1989)	
	111	LAW et al., "Observations On The Effect Of A Folic-Acid Anatagonist On Transplantable Lymphoid Leukemias In Mice," Journal of the National Cancer Institute, 10:179-193 (1949)	
	112	LE GALL et al., "Effect of linker sequences between the antibody variable domains on the formation, stability and biological activity of a bispecific tandem diabody," Protein Engineering Design & Selection, 17(4):357-366 (2004)	
	113	LEE et al., "Reversible dimer formation and stability of the anti-tumour single chain Fv antibody MFE-23 by neutron scattering, analytical ultracentrifugation, and NMR and FR-IR spectroscopy," J. Mol. Biol., 320:107-127 (2002)	
	114	LEI et al., "Characterization of the Erwinia Carotovora pelB Gene and Its Product Pectate Lyase," Journal of Bacteriology, 4379-4383 (1987)	
	115	LINDBERG et al., "Molecular Cloning of Integrin-Associated Protein: An Immunoglobulin Family Member with Multiple Membrane-Spanning Domains Implicated in $\alpha_v \beta_3$ -Dependent Ligand Binding," The Journal of Cell Biology, 123(2):485-496, The Rockefeller University Press (1993)	
	116	LINDBERG et al., "Rh-Related Antigen CD47 is the Signal-Transducer Integrin-Associated Protein," J. Biol. Chem., 269:1567-1570 (1994)	
	117	MARGULIES et al., "Somatic Cell Hybridization of Mouse Myeloma Cells," Cell, 8:405-415 (1976)	
	118	MARIUZZA et al., "The structural basis of antigen-antibody recognition," Ann. Rev. Biophys. Biophys. Chem., 16:139-159 (1987)	
	119	MARIUZZA et al., "The Structural Basis of Antigen-Antibody Recognition," Ann. Rev. Biophys. Chem., 16:139-159 (1987)	
	120	MARSTERS et al., "A Novel Receptor for Apo2L/TRAIL Contains a Truncated Death Domain," Curr. Biol., 7:1003-1006 (1997)	

Examiner Signature	Date Considered
	<u> </u>
	1
EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with
next communication to applicant.	,

	Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 14875-0166US1	Application No. 10/582,304	
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR \$1.98(b))		Applicant Naoki Kimura <i>et al</i> .			
		Filing Date April 20, 2007	Group Art Unit 1643		

Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner	Desig.		
Initial	ID	Document	
	121	MARTSEV et al., "Antiferritin single-chain antibody: a functional protein with incomplete folding?" FEBS Letters, 441:458-462 (1998)	
	122	MATEO et at al., "Induction of Apoptosis in B-Cells From Chronic Lymphocytic Leukemia (B-CLLs) by CD47," FASEB Journal, 12(5):A1082 (1998)	
		MAWBY et al., "Isolation and characterization of CD47 glycoprotein: a multispanning membrane	
	123		
		METHIA et al., "Oligodeoxynucleotides Antisense to the Proto-Oncogene c-Mpl Specifically Inhibit	
	124	In Vitro Megakaryocytopoiesis," Blood, 82(5):1395-1401 (1993)	
	125	MILILI et al., "The VDJ Repertoire Expressed in Human preB Cells Reflects the Selection of Bona Fide Heavy Chains," Eur. J. Immunol., 26:63-69 (1996)	
		MIZISHIMA at al. "nEE BOS a Povvorful Mammalian Europaian Martin 2 Martin 4 11	
	126	Research, 18(17):5322 (1990)	
		MOORE et al., "Kinetics and thermodynamics of dimer formation and dissociation for a	
	127	recombinant humanized monoclonal antibody to vascular endothelial growth factor," <i>Biochemistry</i> , 38:13960-13967 (1999)	
	128	MORI et al., "Human normal hepatocytes are suspectible to apoptosis signal mediated by both	
	128	TRAIL-R1 and TRAIL-R2," Cell Death and Differentiation, 11:203-207 (2004)	
	129	MULLIGAN et al., "Synthesis of Rabbit \(\beta\)-Globin in Cultured Monkey Kidney Cells Following Infection with a SV40 \(\beta\)-Globin Recombinant Genome," Nature, 277:108-114 (1979)	
	120	NAKAYAMA et al., "Thrombocytosis in preterm infants: a possible involvement of thrombopoietin	
	130	receptor gene expression," Journal of Molecular Medicine, 83:316-320 (2005)	
		NGO et al., "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox,"	
J	131	The Protein Folding Problem and Tertiary Structure Prediction, Merz, Jr. et al. Editors, Birkhauser	
		Boston, 433-506 (1994)	
	132	O'BRIEN et al., "Monoclonal antibodies for the human insulin receptor stimulate intrinsic receptor-kinase activity," Biochim. Soc. Trans., 14(6):1021-1023 (1986)	
		OHTSUKA et al., "Synergistic induction of tumor cell apoptosis by death receptor antibody and	
	133	chemotherapy agent through JNK/p38 and mitochondrial death pathway," <i>Oncogene</i> , 22:2034-2044 (2003)	
	134	PAN et al., "An Antagonist Decoy Receptor and a Death Domain-Containing Receptor for TRAIL," Science, 277:815-818 (1997)	
	135	PAN et al., "The Receptor for the Cytotoxic Ligand TRAIL," Science, 276:111-113 (1997)	
	136	PAUL, Fundamental Immunology, Raven Press, NY, Chapter 8, p. 242 (1993)	
	137	PETTERSON et al., "CD47 Signals T Cell Death," J. Immunol., 7031-7040 (1999)	
	138	PETTERSON, "CD47 and death signaling in the immune system," Apoptosis, 5:299-306 (2000)	
	139	REINHOLD <i>et al.</i> , "In vivo expression of alternatively spliced forms of integrin-associated protein (CD47)," <i>J. Cell Science</i> , 108:3419-3425 (1995)	
	140	RIECHMANN et al., "Reshaping Human Antibodies for Therapy," Nature, 332:323-327 (1988)	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	ot in conformance and not considered. Include copy of this form with

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 14875-0166US1	Application No. 10/582,304
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		Filing Date April 20, 2007	Group Art Unit 1643

(Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Initial	ID	Document
	141	REITER et al., "Engineering interchain disulfide bonds into conserved framework regions of Fv fragments: improved biochemical characteristics of recombinant immunotoxins containing disulfide-stabilized Fv," <i>Protein Engineering</i> , 7(5):697-704 (1994)
	142	REITER et al., "Stabilization of the Fv Fragments in Recombinant Immunotoxins by Disulfide Bonds Engineered into Conserved Framework Regions," Biochemistry, 33:5451-5459 (1994)
	143	ROUE et al. "Mitochondrial dysfunction in CD47-mediated caspase-independent cell death: ROS production in the absence of cytochrome c and AIF release," Biochimie., 85:741-746 (2003)
	144	(1993)
	145	SATO et al., "Reshaping a Human Antibody to Inhibit the Interleukin 6-Dependent Tumor Cell Growth," Cancer Research, 53:851-856 (1993)
	146	SCHICKEL, et al., "Gene for Integrin-Associated Protein (IAP, CD47): Physical Mapping, Genomic Structure, and Expression Studies in Skeletal Muscle," <i>Biochem. Cell. Biol.</i> , 80(2):169-176 (2002)
	147	SCHWARTZ et al., "A 50-kDa Integrin-associated Protein Is Required for Integrin-regulated Calcium Entry in endothelial Cells," J. Biol. Chem., 268(27):19931-19934 (1993)
	148	SCHMIDT <i>et al.</i> , "A bivalent single-chain antibody-toxin specific for ErbB-2 and the EGF receptor," <i>Int. J. Cancer</i> , 65(4):538-546 (1996)
	149	SHARMA et al., "Study of IgM aggregation in serum of patients with macroglobulinemia," Clin Chem Lab Med, 38(8):759-764 (2000)
	150	SHERIDAN <i>et al.</i> , "Control of TRAIL-Induced Apoptosis by a Family of Signaling and Decoy Receptors," <i>Science</i> , 277:818-821 (1997)
	151	SHIGETA et al., "Sperm-immobilizing monoclonal antibody to human seminal plasma antigens," Clin. Exp. Immunol., 42:458-462 (1980)
	152	SHULMAN et al., "A better cell line for making hybridomas secreting specific antibodies," Nature, 276:269-270 (1978)
	153	SOUYRI, M., "Mpl: from an acute myeloproliferative virus to the isolation of the long sought thrombopoietin," <i>Seminars in Hematology</i> , 35(3):222-231 (1998)
	154	SPAARGAREN et al., "Antibody-induced Dimerization Activates the Epidermal Growth Factor Receptor Tyrosine Kinase," The J. Biol. Chem., 266(3):1733-1739 (1981)
	155	STANCOVSKI et al., "Mechanistic aspects of the opposing effects of monoclonal antibodies to the ERBB2 receptor on tumor growth," Proc. Natl. Acad. Sci. USA, 88:8691-8695 (1991)
	156	TROWBRIDGE, I.S., "Interspecies Spleen-Myeloma Hybrid Producing Monoclonal Antibodies Against Mouse Lymphocyte Surface Glycoprotein, T200," <i>J. Exp. Med.</i> , 148:313-323 (1978)
	157	VAN GEELEN et al., "Differential modulation of the TRAIL receptors and the CD95 receptor in colon carcinoma cell lines," Br. J. Cancer, 89(2):363-373 (2003)
	158	VERMA et al., "Antibody engineering: Comparison of bacterial, yeast, insect and mammalian expression systems," Journal of Immunological Methods, 216:165-181 (1998)
	159	WALCZAK et al., "TRAIL-R2: A Novel Apoptosis-Mediating Receptor for TRAIL," EMBO J., 16:5386-5397 (1997)
	160	WANG et al., "Instability, stabilization, and formulation of liquid protein pharmaceuticals," International Journal of Pharmaceutics, 185:129-188 (1999)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if no next communication to applicant.	t in conformance and not considered. Include copy of this form with

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		Filing Date April 20, 2007	Group Art Unit 1643

Examiner	Other D Desig.	
Initial	ID	Document
	161	WANG et al., "Lyophilization and development of solid protein pharmaceuticals," International Journal of Pharmaceutics, 203:1-60 (2000)
	162	WANG et al., "Protein aggregation and its inhibition in biopharmaceutics," International Journal of Pharmaceutics, 289:1-30 (2005)
	163	WELLS, "Perspectives in Biochemistry," Biochemistry, 29(37):8509-8517 (1990)
	164	Induces Apoptosis," <i>Immunity</i> , 3:673-682 (1995)
	165	WINKLER et al., "Changing the Antigen Binding Specificity by Single Point Mutations of an Antip24 (HIV-1) Antibody," J. Immunol., 265:4505-4514 (2000)
	166	XIE et al., "Direct Demonstration of MuSK Involvement in Acetylcholine Receptor Clustering Through Identification of Agonist ScFv," Nature Biotechnology, 15(8):768-771 (1997)
	167	YANABU et al., "Tyrosine phosphorylation and p72syk activation by an anti-glycoprotein lb monoclonal antibody," Blood, 89(5):1590-1598 (1997)
	168	YARDEN et al., "Self-phosphorylation of epidermal growth factor receptor: evidence for a model of intermolecular allosteric activation," Biochemistry, 26(5):1434-1442 (1987)
	169	YELTON et al., "Fusion of Mouse Myeloma and Spleen Cells," Current Topics in Microbiology and Immunology, 81:1-7 (1978)
	170	U.S. EXAMINER ANNE GUSSOW, USPTO Restriction Requirement in U.S. App. Ser. No. 10/530,696, mailed October 19, 2006, 8 pages
	171	FISH & RICHARDSON P.C., Response to Restriction Requirement dated October 19, 2006, in U.S App. Ser. No. 10/530,696, filed November 16, 2006, 1 page
	172	U.S. EXAMINER ANNE GUSSOW, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/530,696, mailed December 21, 2006, 19 pages
	173	FISH & RICHARDSON P.C., Response to Office Action dated December 21, 2006 in U.S. App. Ser. No. 10/530,696, filed April 23, 2007, 16 pages
	174	U.S. EXAMINER ANNE GUSSOW, USPTO Final Office Action in U.S. App. Ser. No. 10/530,696, mailed August 8, 2007, 13 pages
	175	U.S. EXAMINER ANNE GUSSOW, USPTO Interview Summary in U.S. App. Ser. No. 10/530,696, mailed November 26, 2007, 3 pages
	176	FISH & RICHARDSON P.C., Response to Office Action dated December 21, 2006 in U.S. App. Ser. No. 10/530,696, filed December 6, 2007, 12 pages
	177	U.S. EXAMINER ANNE GUSSOW, USPTO Advisory Action in U.S. App. Ser. No. 10/530,696, mailed December 14, 2007, 4 pages
	178	U.S. EXAMINER ANNE GUSSOW, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/530,696, mailed February 5, 2008, 9 pages
	179	FISH & RICHARDSON, Response to Office Action dated February 5, 2008 in U.S. App. Ser. No. 10/530,696, filed August 5, 2008, 7 pages
	180	U.S. EXAMINER ANNE GUSSOW, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/530,696, mailed November 17, 2008, 18 pages
	181	FISH & RICHARDSON, Response to Office Action dated November 17, 2008 in U.S. App. Ser. No. 10/530,696, filed February 17, 2009, 14 pages
	182	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2003/013063 mailed November 18, 2003, 2 pages

Examiner Signature	Date Considered	
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next communication to applicant.	• •	

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Other Documents (include Author, Title, Date, and Place of Publication)			
Examiner	Desig.		
Initial	ID	Document	
	183	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser.	
	103	No. PCT/JP2003/013063, dated February 6, 2004, 4 pages	
	184	EPO EXAMINER W. BERNHARDT, European Search Report for App. Ser.	
	101	No. EP 03 75 1456, dated April 4, 2006, 2 pages	
	185	U.S. EXAMINER ANNE GUSSOW, USPTO Final Office Action in U.S. App. Ser.	
	105	No. 10/530,696, mailed June 8, 2009, 10 pages	
	186	U.S. EXAMINER SHULAMITH H. SHAFER, USPTO Restriction Requirement in U.S. App. Ser.	
		No. 10/548,727, mailed April 12, 2007, 6 pages	
	187	FISH & RICHARDSON P.C., Reply to Restriction Requirement dated April 12, 2007 in U.S. App.	
	107	Ser. No. 10/548,727, filed May 3, 2007, 1 page	
	188	U.S. EXAMINER SHULAMITH H. SHAFER, USPTO Non-Final Office Action in U.S. App. Ser.	
	100	No. 10/548,727, mailed August 3, 2007, 21 pages	
	189	FISH & RICHARDSON P.C., Reply to Office Action dated August 3, 2007 in U.S. App. Ser.	
	107	No. 10/548,727, filed January 15, 2008, 15 pages	
	190	U.S. EXAMINER SHULAMITH H. SHAFER, USPTO Final Office Action in U.S. App. Ser.	
	170	No. 10/548,727, mailed April 29, 2008, 23 pages	
	191	U.S. EXAMINER SHULAMITH H. SHAFER, USPTO Advisory Action in U.S. App. Ser.	
	171	No. 10/548,727, mailed September 24, 2008, 6 pages	
	192	U.S. EXAMINER SHULAMITH H. SHAFER, USPTO Non-Final Office Action in U.S. App. Ser.	
	1/4	No. 10/548,727, mailed January 28, 2009, 16 pages	
	193	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/003334,	
		mailed June 15, 2004, 3 pages	
	194	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser.	
		No. PCT/JP2004/003334, dated May 2, 2005, 6 pages	
	195	U.S. EXAMINER ANNE GUSSOW, USPTO Restriction Requirement in U.S. App. Ser.	
	175	No. 10/550,934, mailed November 21, 2007, 7 pages	
	196	FISH & RICHARDSON P.C., Response to Restriction Requirement dated November 21, 2007 in	
	*,,,	U.S. App. Ser. No. 10/550,934, filed April 16, 2008, 2 pages	
	197	U.S. EXAMINER ANNE GUSSOW, USPTO Non-Final Office Action in U.S. App. Ser.	
		No. 10/550,934, mailed June 12, 2008, 27 pages	
İ	198	FISH & RICHARDSON P.C., Response to Office Action dated June 12, 2008 in U.S. App. Ser.	
		No. 10/550,934, filed December 12, 2008, 45 pages	
	199	U.S. EXAMINER ANNE GUSSOW, USPTO Final Office Action in U.S. App. Ser. No. 10/550,934,	
		mailed March 16, 2009, 19 pages	
	200	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/004696,	
		mailed July 27, 2004, 5 pages	
	201	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser.	
		No. PCT/JP2004/004696, dated February 9, 2005, 10 pages	
	202	EPO EXAMINER N. FAVRE, European Search Report for App. Ser. No. EP 04 72 4770, dated	
	-	March 31, 2006, 4 pages	
	203	U.S. EXAMINER LORRAINE SPECTOR, USPTO Restriction Requirement in U.S. App. Ser.	
		No. 10/551,504, mailed June 27, 2008, 6 pages	

Examiner Signature	Date Considered	
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Initial	ID	Document	
	204	FISH & RICHARDSON P.C., Response to Restriction Requirement dated June 27, 2008 in U.S.	
	207	App. Ser. No. 10/551,504, filed September 29, 2008, 13 pages	
	205	U.S. EXAMINER LORRAINE SPECTOR, USPTO Restriction Requirement in U.S. App. Ser.	
	203	No. 10/551,504, mailed December 16, 2008, 5 pages	
	206	FISH & RICHARDSON P.C., Response to Restriction Requirement dated December 16, 2008 in	
	200	U.S. App. Ser. No. 10/551,504, filed December 23, 2008, 14 pages	
	207	U.S. EXAMINER LORRAINE SPECTOR, USPTO Non-Final Office Action in U.S. App. Ser.	
		No. 10/551,504, mailed April 15, 2009, 35 pages	
	208	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/018506,	
		mailed March 22, 2005, 3 pages	
	209	JAPANESE EXAMINER YOSHIKO KUWAHARA, International Preliminary Report on	
		Patentability for App. Ser. No. PCT/JP2004/018506, 8 pages	
	210	EPO EXAMINER ROBERT RANKIN, European Search Report for App. Ser.	
		No. EP 04 82 0316, dated July 17, 2008, 3 pages	
	211	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/018499,	
		mailed January 18, 2005, 2 pages	
	212	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser.	
		No. PCT/JP2004/018499, dated January 26, 2006, 5 pages U.S. EXAMINER ANNE GUSSOW, USPTO Restriction Requirement in U.S. App. Ser.	
	213	No. 10/582,413, mailed January 4, 2008, 8 pages	
		JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/018499,	
	214	mailed January 18, 2005, 2 pages	
		FISH & RICHARDSON P.C., Response to Restriction Requirement dated January 4, 2008 in U.S.	
	215	App. Ser. No. 10/582,413, filed February 4, 2008, 2 pages	
		U.S. EXAMINER ANNE GUSSOW, USPTO Non-Final Office Action in U.S. App. Ser.	
	216	No. 10/582,413, mailed March 31, 2008, 17 pages	
	217	FISH & RICHARDSON P.C., Amendment in Reply to Action dated March 31, 2008 in U.S. App.	
	217	Ser. No. 10/582,413, filed June 30, 2008, 20 pages	
	210	U.S. EXAMINER ANNE GUSSOW, USPTO Interview Summary in U.S. App. Ser.	
	218	No. 10/582,413, mailed June 30, 2008, 2 pages	
	219	U.S. EXAMINER BRADLEY DUFFY, USPTO Notice of Informal or Non-Responsive Amendment	
	219	in U.S. App. Ser. No. 10/582,413, mailed October 20, 2008, 3 pages	
	220	U.S. EXAMINER BRADLEY DUFFY, USPTO Interview Summary in U.S. App. Ser.	
	220	No. 10/582,413, mailed November 12, 2008, 4 pages	
		FISH & RICHARDSON P.C., Amendment in Reply to Notice of Informal or Non-Responsive	
	221	Amendment dated October 20, 2008 in U.S. App. Ser. No. 10/582,413, filed November 17, 2008,	
		10 pages	
	222	U.S. EXAMINER BRADLEY DUFFY, USPTO Interview Summary in U.S. App. Ser.	
		No. 10/582,413, mailed November 25, 2008, 4 pages	
	223	U.S. EXAMINER BRADLEY DUFFY, USPTO Interview Summary in U.S. App. Ser.	
		No. 10/582,413, mailed December 24, 2008, 4 pages	
	224	U.S. EXAMINER BRADLEY DUFFY, USPTO Restriction Requirement in U.S. App. Ser.	
		No. 10/582,413, mailed March 11, 2009, 8 pages	

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	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Initial	ID	Document
	225	FISH & RICHARDSON P.C., Response to Restriction Requirement dated March 11, 2009 in U.S.
	223	App. Ser. No. 10/582,413, filed April 8, 2009, 8 pages
	226	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/018493,
	220	mailed March 22, 2005, 2 pages
	227	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser.
	221	No. PCT/JP2004/018493, dated December 20, 2005, 7 pages
	228	EPO EXAMINER INGE KALSNER, European Search Report for App. Ser.
	220	No. EP 04 82 0305, dated October 6, 2008, 3 pages
	229	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2004/005152,
	229	mailed July 20, 2004, 2 pages
	220	JAPANESE PATENT OFFICE, International Preliminary Report on Patentability for App. Ser.
	230	No. PCT/JP2004/005152, dated February 14, 2005, 6 pages
	001	EPO EXAMINER WIEBKE BERNHARDT, European Search Report for App. Ser.
	231	No. EP 04 72 6750, dated February 4, 2008, 3 pages
	222	U.S. EXAMINER BRADLEY DUFFY, USPTO Non-Final Office Action in U.S. App. Ser.
	232	No. 11/547,747, mailed June 1, 2009, 41 pages
	222	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2006/306800,
	233	mailed May 16, 2006, 4 pages
	224	JAPANESE EXAMINER YOSHIKO KUWAHARA, International Preliminary Report on
	234	Patentability for App. Ser. No. PCT/JP2006/306800, dated October 3, 2007, 6 pages
	235	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2006/309890,
	233	mailed July 18, 2006, 2 pages
	236	JAPANESE EXAMINER MASASHI HONDA, International Preliminary Report on Patentability
	230	for App. Ser. No. PCT/JP2006/309890, dated November 19, 2007, 5 pages
	237	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2006/311625,
	231	mailed August 22, 2006, 2 pages
	238	JAPANESE EXAMINER YOSHIKO KUWAHARA, International Preliminary Report on
	236	Patentability for App. Ser. No. PCT/JP2006/311625, dated December 11, 2007, 4 pages
	239	JAPANESE PATENT OFFICE, International Search Report for App. Ser. No. PCT/JP2007/063946,
	239	mailed August 14, 2007, 7 pages
	240	JAPANESE EXAMINER YOSHIKO KUWAHARA, International Preliminary Report on
	240	Patentability for App. Ser. No. PCT/JP2007/063946, dated January 20, 2009, 10 pages
	241	U.S. EXAMINER LYNN ANNE BRISTOL, USPTO Restriction Requirement in U.S. App. Ser.
	241	No. 10/582,654, mailed May 26, 2009, 9 pages
	242	U.S. EXAMINER DAVID J. BLANCHARD, USPTO Restriction Requirement in U.S. App. Ser.
	242	No. 10/399,518, mailed November 25, 2005, 9 pages
	FOLEY & LARDNER LLP, Response to Restriction Requirement dated November 25	
	243	App. Ser. No. 10/399,518, filed December 23, 2005, 3 pages
	244	U.S. EXAMINER DAVID J. BLANCHARD, USPTO Non-Final Office Action in U.S. App. Ser.
	444	No. 10/399,518, mailed March 27, 2006, 38 pages
	245	FOLEY & LARDNER LLP, Amendment in Reply to Action dated March 27, 2006 in U.S. App.
	273	Ser. No. 10/399,518, filed September 26, 2006, 26 pages

Examiner Signature	Date Considered	
EXAMINER: Initials citation considered. Draw line through citation if	not in conformance and not considered. Include conv. of this form with	
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Information Disclosure Statement by Applicant		Applicant Naoki Kimura <i>et al</i> .	
(Use several sheets if necessary) (37 CFR §1.98(b))	ts if necessary)	Filing Date April 20, 2007	Group Art Unit 1643

Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner	Desig.				
Initial	ID	Document			
	246	FOLEY & LARDNER LLP, Supplemental Amendment in Reply to Action dated March 27, 2006 in U.S. App. Ser. No. 10/399,518, filed October 11, 2006, 11 pages			
	247	EOLEY & LADDNED LLD Symplemental Amondment in Domby to Action dated March 27, 2006 in			
	248	U.S. EXAMINER DAVID J. BLANCHARD, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/399,518, mailed December 28, 2006, 29 pages			
	249	FOLEY & LARDNER LLP, Amendment in Reply to Action dated December 28, 2006 in U.S. App. Ser. No. 10/399,518, filed May 3, 2007, 22 pages			
	250	U.S. EXAMINER DAVID J. BLANCHARD, USPTO Final Office Action in U.S. App. Ser. No. 10/399,518, mailed June 7, 2007, 13 pages			
	251	FOLEY & LARDNER LLP, Amendment in Reply to Action dated June 7, 2007 in U.S. App. Ser. No. 10/399,518, filed September 7, 2007, 9 pages			
	252	U.S. EXAMINER DAVID J. BLANCHARD, Advisory Action in U.S. App. Ser. No. 10/399,518, mailed September 27, 2007, 5 pages			
	253	ILS EVAMINED DAVID I DI ANCHARD Interview Summers in U.S. Ann. Ser.			
	254	U.S. EXAMINER DAVID J. BLANCHARD, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/399,518, mailed January 31, 2008, 14 pages			
	255	FOLEY & LARDNER LLP, Amendment in Reply to Action dated January 31, 2008 in U.S. App. Ser. No. 10/399,518, filed April 30, 2008, 7 pages			
	256	U.S. EXAMINER DAVID J. BLANCHARD, USPTO Final Office Action in U.S. App. Ser. No. 10/399,518, mailed August 4, 2008, 8 pages			
	257	U.S. EXAMINER DAVID J. BLANCHARD, Advisory Action in U.S. App. Ser. No. 10/399,518, mailed November 7, 2008, 4 pages			
	258	FOLEY & LARDNER LLP, Amendment in Reply to Action dated November 7, 2008 in U.S. App. Ser. No. 10/399,518, filed October 23, 2008, 8 pages			
	259	U.S. EXAMINER DAVID J. BLANCHARD, USPTO Non-Final Office Action in U.S. App. Ser. No. 10/399,518, mailed February 17, 2009, 12 pages			
	260	FOLEY & LARDNER LLP, Amendment in Reply to Action dated February 17, 2009 in U.S. App. Ser. No. 10/399,518, filed May 18, 2009, 26 pages			
	261	FISH & RICHARDSON P.C., Reply to Office Action dated January 28, 2009 in U.S. App. Ser. No. 10/548,727, filed June 26, 2009, 9 pages			
	262	U.S. EXAMINER BRADLEY DUFFY, USPTO Final Office Action in U.S. App. Ser. No. 10/582,413, mailed June 25, 2009, 28 pages			

Examiner Signature	Date Considered
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EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.